

Title (en)

PREPARATION METHOD OF A SOLID TITANIUM CATALYST FOR OLEFIN POLYMERIZATION

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES FESTEN TITANKATALYSATORS FÜR DIE OLEFINPOLYMERISATION

Title (fr)

PROCÉDÉ DE PRÉPARATION D'UN CATALYSEUR AU TITANE SOLIDE POUR LA POLYMÉRISATION D'OLÉFINE

Publication

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Application

EP 07833772 A 20071031

Priority

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Abstract (en)

[origin: WO2008117916A1] A preparation method of a solid titanium catalyst for olefin polymerization characteristically comprises the steps of: (1) obtaining a magnesium compound solution by dissolving a magnesium halide compound in an oxygen-containing solvent that is a mixed solvent of a cyclic ether and at least one of alcohols; (2) preparing a carrier by primarily reacting the obtained magnesium compound solution with a titanium halide compound at -10-30°C, then raising a temperature or aging so as to obtain particles, and secondly reacting the particles with a titanium halide compound; (3) preparing a catalyst by reacting the carrier with a titanium halide compound and an electron donor of phthalic acid dialkylester having a C9-13 alkyl group; and (4) washing the prepared catalyst with a hydrocarbon solvent at 40-200°C.

IPC 8 full level

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CPC (source: EP KR US)

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